EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	119	(156/345.54).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 21:43

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	168	(156/345.53).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 18:37

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	379	(inject$4) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from) or dirverg$4) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:36
L2	656	(dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and (diverg$4) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:37
L3	358	L2 and (wafer or substrate or workpiece or (work piece) or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:37
L4	307	L3 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:37
L5	189	1 and (@ad<="20020305" or @rlad<="20020305") not L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:09
L6	1431	(inject$4) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:57
L7	15012	((118/58,620,665,666,692,712,713, 715,722,724,725) or (156/345.25, 345.26,345.27,345.29,345.33,345. 50,345.51,345.52)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/12 16:49
L8	642	L7 and (inject$3) and (beam or electromagnetic or laser or (ultraviolet radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:48

EAST Search History

L9	0	(inject$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)) same precursor same (inert or purge) same (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:51
L10	0	(inject$4) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)) same precursor same (inert or purge) same (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:51
L11	726	((inject$4) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:57
L12	13	((inject$4) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:55
L13	13	((inject$4) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:57
L14	13	((inject$4) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:58
L15	1255	(inject$4) and precursor and ((input gas) or (reactive species)) and (purge or inert)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:58
L17	13	12 or 13 or 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:08

EAST Search History

L18	1955	(8 or 11 or 15) and (@ad<="20020305" or @rlad<="20020305") not (L4 or 5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:50
L19	1272	18 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:51
L20	128	19 and ((exhaust or evacuation) port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:12
L21	596	19 and ((exhaust or evacuation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:51
L22	39	("20010020447" | "3502502" | "3511703" | "3717439" | "4118539" | "4716852" | "4817558" | "4834022" | "5069930" | "5093152" | "5105761" | "5134965" | "5250092" | "5288518" | "5304250" | "5346578" | "5368646" | "5387289" | "5447570" | "5462899" | "5522934" | "5525159" | "5532190" | "5554226" | "5614055" | "5620523" | "5772771" | "5851294" | "5976308" | "6001267" | "6070551" | "6170428" | "6182602" | "6200412" | "6375744" | "6416823" | "6589610").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/03/12 17:37
L23	929703	c23c016$ or h01l021$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:44
L24	31	L23 and (inject$4) and (nozzle or port) and (exhaust or evacuat$3) and (purge or inert)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:44
L25	0	L23 and (inject$4) and precursor and ((input gas) or (reactive species)) and (purge or inert)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:46

EAST Search History

L26	977	(6) and (@ad<="20020305" or @rlad<="20020305") not (4 or 5 or 17 or 21)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:55
L27	712	26 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:51
L28	114	27 and ((exhaust or evacuation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:52
L30	13	((inject$4) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:57
L31	166	(((inject$4) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:59
L32	7	((inject$4) and precursor and ((input gas) or (reactive species)) and (purge or inert)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:58
L33	180	(30 or 31 or 32) not (4 or 5 or 17 or 21)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 18:01
S14	2	("20040083951").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 17:48

EAST Search History

S15	3	("6730367").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:28
S16	11	(("4,260,649") or ("5,607,601") or ("5,659,383") or ("5,669,979") or ("5,814,156") or ("5,270,247") or ("5,023,424") or ("6,461,909") or ("6,503,330") or ("6,509,601") or ("6,448,192")).PN.	USPAT	OR	OFF	2005/04/12 16:40
S17	14288	((118/58,620,665,666,692,712,713, 715,722,724,725) or (156/345.25, 345.26,345.27,345.29,345.33,345. 50,345.51,345.52)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 17:52
S18	103	S17 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:48
S19	2072	(dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:48
S20	658	S19 and (@ad>="20020305" or @rlad>="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 21:46
S21	565	S20 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:11
S22	544	S21 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 19:25

S23	523	S22 and (etch$3 or deposit$4 or coat$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 19:26
S24	394	S23 not dna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 19:27
S25	1587	S17 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:49
S26	177	S17 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and ((exhaust or evacuation) port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:12
S27	154	S26 not (S18 or S24)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 20:46
S28	20	S27 and (@ad>="20020305" or @rlad>="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 21:31
S29	245	S17 and (ald or ale or (atomic layer (deposition or epitax$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 21:20
S31	128	S29 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 21:35

EAST Search History

S32	1735	S19 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:03
S33	1412	S32 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:28
S34	911	S33 not (S31 or S27 or S24 or dna)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:29
S35	874	S34 and (etch$3 or coat$3 or deposit$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/12 21:59
S36	857	(Gurtej near3 Sandhu).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 10:17
S37	4	(dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)) same precursor same (inert or purge) same (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:50
S38	5	((dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:23
S39	1164	((dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:51

EAST Search History

S40	832	S39 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:28
S41	202	S40 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:28
S42	14288	((118/58,620,665,666,692,712,713, 715,722,724,725) or (156/345.25, 345.26,345.27,345.29,345.33,345. 50,345.51,345.52)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/13 11:30
S43	103	S42 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S44	2072	(dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S45	658	S44 and (@ad>="20020305" or @rlad>="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S46	565	S45 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S47	544	S46 not S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30

EAST Search History

S48	523	S47 and (etch$3 or deposit$4 or coat$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S49	394	S48 not dna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S50	177	S42 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and ((exhaust or evacuation) port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S51	154	S50 not (S43 or S49)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S52	245	S42 and (ald or ale or (atomic layer (deposition or epitax$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:41
S53	128	S52 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S54	1735	S44 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S55	1412	S54 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30

S56	911	S55 not (S53 or S51 or S49 or dna)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S57	874	S56 and (etch$3 or coat$3 or deposit$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:30
S58	185	S41 not (S53 or S51 or S49 or dna or S57)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/04/13 11:31
S59	2	("6200389").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/14 20:45
S60	14744	((118/58,620,665,666,692,712,713, 715,722,724,725) or (156/345.25, 345.26,345.27,345.29,345.33,345. 50,345.51,345.52)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 17:00
S61	112	S60 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S62	2294	(dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S63	854	S62 and (@ad>="20020305" or @rlad>="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00

EAST Search History

S64	731	S63 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S65	189	S60 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and ((exhaust or evacuation) port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S66	313	S60 and (ald or ale or (atomic layer (deposition or epitax$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S67	4	(dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)) same precursor same (inert or purge) same (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 12:37
S68	6	((dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:00
S69	245	(S61 S64 S67 S68 S65 S66) and @pd>="20050413"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 16:21
S70	66	S69 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:04
S71	39	S70 not dna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 17:14

S72	17585	(dissociat$4 or activat$4 or energiz$4) and (ald or ale or (atomic layer (deposition or epitax$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 12:42
S73	91	S72 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:31
S74	63	S73 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:36
S75	51	S74 not dna	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:06
S76	154	((dissociat$4 or activat$4 or energiz$4) same (beam or electromagnetic or laser or (ultraviolet radiation)) same (reactive adj species))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:34
S77	123	S76 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:37
S78	108	S77 not (S75 or dna or S70)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/13 18:38
S79	1002483	c23c016$ or h01l021$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 12:41
S80	907103	c23c016$ or h01l021$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 12:41

EAST Search History

S81	32	S80 and (dissociat$4 or activat$4 or energiz$4) and (ald or ale or (atomic layer (deposition or epitax$3)))	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 12:42
S82	925	(Gurtej near3 Sandhu).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 16:21
S83	68	(S82) and @pd>="20050413"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 20:28
S84	14	((dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/10/15 16:54
S85	3	("6200431").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/15 18:20
S86	15012	((118/58,620,665,666,692,712,713, 715,722,724,725) or (156/345.25, 345.26,345.27,345.29,345.33,345. 50,345.51,345.52)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/10 19:25
S87	119	S86 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25
S88	2462	(dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25

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S89	1008	S88 and (@ad>="20020305" or @rlad>="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25
S90	860	S89 and (workpiece or (work piece) or substrate or wafer or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25
S91	196	S86 and (dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and ((exhaust or evacuation) port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25
S92	357	S86 and (ald or ale or (atomic layer (deposition or epitax$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25
S93	4	(dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet)) same precursor same (inert or purge) same (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 20:51
S94	6	((dispens$3 or dispers$3 or distribut$3) same (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) same (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and (reactive species)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 20:57
S95	423	(S87 S90 S93 S94 S91 S92) and @pd>="20050413"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:25
S96	101	S95 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:25

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S97	35	S96 and @pd>="20051013"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:55
S98	929341	c23c016$ or h01l021$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:58
S99	36	S98 and (dissociat$4 or activat$4 or energiz$4) and (ald or ale or (atomic layer (deposition or epitax$3)))	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:58
S100	36	S99	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 19:58
S101	983	(Gurtej near3 Sandhu).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 20:28
S102	58	(S101) and @pd>="20051015"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 20:43
S103	14	((dispens$3 or dispers$3 or distribut$3) and (beam or electromagnetic or laser or (ultraviolet radiation)) and (reactive adj species)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:53
S104	0	(S103) and @pd>="20051015"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 20:45
S105	13	((dispens$3 or dispers$3 or distribut$3) and (first adj3 (nozzle or port or inlet)) same (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 21:35

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S10 6	7	S105 not S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 21:06
S10 7	19	((dispens$3 or dispers$3 or distribut$3) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:58
S10 8	6	S107 not S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 21:36
S10 9	29	(dispens$3 or dispers$3 or distribut$3) same ((vertical with flow) or direct) same ((horizontal with flow) or (away from)) same ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 22:15
S11 0	653	(dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from)) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:53
S11 1	384	S110 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 00:14
S11 2	0	S98 and (dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from)) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:15
S11 3	0	S98 and (dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from)) and (inert or purge)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:16

S11 4	2	S98 and (dispens$3 or dispers$3 or distribut$3) and (vertical or direct) and (horizontal or (away from)) and (inert or purge)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:20
S11 5	28	S98 and (dispens$3 or dispers$3 or distribut$3) and (nozzle or port) and (exhaust or evacuat$3) and (purge or inert)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:44
S11 6	1	S98 and (dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:46
S11 7	2	(dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:50
S11 8	1677	(dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:02
S11 9	87	(dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from)) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:54
S12 0	13	S119 not S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/10 23:55
S12 1	475	(dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert) and (exhaust or evacuat$3) and (nozzle or port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 00:17
S12 2	356	S121 and (@ad<="20020305" or @rlad<="20020305") not (S110)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 12:06

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S12 3	68	(dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert) and (exhaust or evacuat$3) and (nozzle or port). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 00:17
S12 4	653	(dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and ((horizontal with flow) or (away from)) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:35
S12 5	475	(dispens$3 or dispers$3 or distribut$3) and precursor and ((input gas) or (reactive species)) and (purge or inert) and (exhaust or evacuat$3) and (nozzle or port)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 17:06
S12 6	356	S125 and (@ad<="20020305" or @rlad<="20020305") not (S124)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 17:45
S12 7	929341	c23c016$ or h01l021$	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 15:15
S12 8	19	((dispens$3 or dispers$3 or distribut$3) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 15:21
S12 9	1	S128 and S127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 15:15
S13 0	3	(((dispens$3 or dispers$3 or distribut$3) and (first adj3 (nozzle or port or inlet)) and (second adj3 (nozzle or port or inlet)) and (third adj3 (nozzle or port or inlet))) and precursor and (inert or purge) and ((reactive species) or (input gas))). clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 15:21

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S13 1	656	(dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and (diverg$4) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 17:55
S13 2	358	S131 and (wafer or substrate or workpiece or (work piece) or (object adj2 treated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 17:45
S13 3	307	S132 and (@ad<="20020305" or @rlad<="20020305")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/12 16:37
S13 4	3	((dispens$3 or dispers$3 or distribut$3) and ((vertical with flow) or direct) and (diverg$4) and ((inert or purge) with ((prevent mix$3) or between or isolat$3 or inbetween))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/03/11 17:56